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Terms	Documents
l1 and (baculovir\$ or nuclear near polyhedrosis)	0

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 US Pre-Grant Publication Full-Text Database  
 JPO Abstracts Database  
 EPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

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L2

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*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*
L2    l1 and (baculovir\$ or nuclear near polyhedrosis)

0

L2

(HBV or hepatitis near B near virus\$) and ("L426I/V" or  
L1    "L428I/VN480G" or S565P or V553I or M550V or V519L or F512L  
 or A1814T or C1856T or G1896A or G1898A or C1653T or  
 G1898A or K495R or "L526M/M550V")

2

L1

END OF SEARCH HISTORY

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? set hi ;set hi

HILIGHT set on as ''

**HILIGHT set on as ''**

? begin 5,6,55,154,155,156,312,399,biotech,biosci

>>> 135 is unauthorized

Set	Items	Description
<p>? s (HBV or hepatitis (n) B (n) virus?) and (baculovir? or nuclear (n) polyhedrosis)</p> <p>Processing</p> <p>Processed 10 of 34 files ...</p> <p>Processing</p> <p>Processed 20 of 34 files ...</p> <p>Processing</p> <p>Completed processing all files</p> <p>73354 HBV</p> <p>677874 HEPATITIS</p> <p>5478249 B</p> <p>3441118 VIRUS?</p> <p>148043 HEPATITIS(N)B(N)VIRUS?</p> <p>79152 BACULOVIR?</p> <p>4009928 NUCLEAR</p> <p>29431 POLYHEDROSIS</p> <p>26956 NUCLEAR(N)POLYHEDROSIS</p> <p>S1 626 (HBV OR HEPATITIS (N) B (N) VIRUS?) AND (BACULOVIR? OR NUCLEAR (N) POLYHEDROSIS)</p> <p>? s (HBV or hepatitis (n) B (n) virus?) (10n) (baculovir? or nuclear (n) polyhedrosis)</p> <p>Processing</p> <p>Processed 10 of 34 files ...</p> <p>Completed processing all files</p> <p>73354 HBV</p> <p>677874 HEPATITIS</p> <p>5478249 B</p> <p>3441118 VIRUS?</p> <p>148043 HEPATITIS(N)B(N)VIRUS?</p> <p>79152 BACULOVIR?</p> <p>4009928 NUCLEAR</p> <p>29431 POLYHEDROSIS</p> <p>26956 NUCLEAR(N)POLYHEDROSIS</p> <p>S2 315 (HBV OR HEPATITIS (N) B (N) VIRUS?) (10N) (BACULOVIR? OR NUCLEAR (N) POLYHEDROSIS)</p> <p>? s s2 and HepG2</p> <p>315 S2</p> <p>43695 HEPG2</p> <p>S3 57 S2 AND HEPG2</p> <p>? rd s3</p> <p>...examined 50 records (50)</p> <p>...completed examining records</p> <p>S4 17 RD S3 (unique items)</p> <p>? d s4/3/1-17</p> <p>Display 4/3/1 (Item 1 from file: 5)</p> <p>DIALOG(R)File 5:Biosis Previews(R)</p> <p>(c) 2003 BIOSIS. All rts. reserv.</p> <p>14057077 BIOSIS NO.: 200300051106</p> <p>Comparison of anti-hepatitis B virus activities of lamivudine and clevudine by a quantitative assay.</p> <p>AUTHOR: Abdelhamed Ayman M; Kelley Colleen M; Miller Thomas G; Furman Phillip A; Cable Edward E; Isom Harriet C(a)</p> <p>AUTHOR ADDRESS: (a)Milton S. Hershey Medical Center, Penn State College of Medicine, 500 University Dr., P.O. Box 850, Hershey, PA, 17033, USA**USA</p> <p>E-Mail: hisom@psu.edu</p> <p>JOURNAL: Antimicrobial Agents and Chemotherapy 47 (1):p324-336 January 2003 2003</p> <p>MEDIUM: print</p> <p>ISSN: 0066-4804</p> <p>DOCUMENT TYPE: Article</p>		

RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

?

Display 4/3/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

13997785 BIOSIS NO.: 200200626606

Use of recombinant **HBV baculoviruses** to compare the effects of  
precore mutation, the lamivudine resistant rtM204I mutation, and  
rtM204I/precore mutation on HBV gene expression and replication.

AUTHOR: Miller Thomas G(a); Yoshida Mika G(a); Kelley Colleen M(a); Delaney  
William E IV; Locarnini Stephen A; Edwards Ros; Chen Robert; Isom Harriet  
C(a)

AUTHOR ADDRESS: (a)College of Medicine, Penn State University, Hershey, PA  
\*\*USA

JOURNAL: Hepatology 36 (4 Part 2):p375A October, 2002

MEDIUM: print

CONFERENCE/MEETING: 53rd Annual Meeting on the Liver BOSTON, MA, USA  
November 01-05, 2002

ISSN: 0270-9139

RECORD TYPE: Citation

LANGUAGE: English

- end of record -

?

Display 4/3/3 (Item 3 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

13937189 BIOSIS NO.: 200200566010

Efficacy of entecavir against lamivudine-resistant hepatitis B virus and  
recombinant polymerases.

AUTHOR: Levine S(a); Hernandez D(a); Yamanaka G(a); Zhang S(a); Rose R(a);  
Weinheimer S(a); Colunno R J(a)

AUTHOR ADDRESS: (a)Bristol-Myers Squibb Company, Wallingford, CT\*\*USA

JOURNAL: Abstracts of the Interscience Conference on Antimicrobial Agents  
and Chemotherapy 41p287 2001

MEDIUM: print

CONFERENCE/MEETING: 41st Annual Meeting of the Interscience Conference on  
Antimicrobial Agents and Chemotherapy Chicago, Illinois, USA September  
22-25, 2001

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 4/3/4 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

13832369 BIOSIS NO.: 200200461190

Rebound of hepatitis B virus replication in **HepG2** cells after  
cessation of antiviral treatment.

AUTHOR: Abdelhamed Ayman M; Kelley Colleen M; Miller Thomas G; Furman  
Phillip A; Isom Harriet C(a)

AUTHOR ADDRESS: (a)Milton S. Hershey Medical Center, Pennsylvania State  
College of Medicine, 500 University Dr., P.O. Box 850, Hershey, PA, 17033  
\*\*USA E-Mail: hisom@psu.edu

JOURNAL: Journal of Virology 76 (16):p8148-8160 August, 2002

MEDIUM: print

ISSN: 0022-538X  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

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Display 4/3/5 (Item 5 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

13078950 BIOSIS NO.: 200100286099

Cross-resistance testing of antihepadnaviral compounds using novel  
recombinant **baculoviruses** which encode drug-resistant strains of  
**hepatitis B virus**.

AUTHOR: Delaney William E IV; Edwards Ros; Colledge Danni; Shaw Tim;  
Torresi Joseph; Miller Thomas G; Isom Harriet C; Bock C Thomas; Manns  
Michael P; Trautwein Christian; Locarnini Stephen(a)

AUTHOR ADDRESS: (a)Victorian Infectious Diseases Reference Laboratory  
(VIDRL), 10 Wreckyn St., North Melbourne, VIC, 3051:  
stephenlocarnini@compuserve.com\*\*Australia

JOURNAL: Antimicrobial Agents and Chemotherapy 45 (6):p1705-1713 June,  
2001

MEDIUM: print

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

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Display 4/3/5 (Item 5 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.  
LANGUAGE: English  
SUMMARY LANGUAGE: English

- end of record -

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Display 4/3/6 (Item 6 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

12757273 BIOSIS NO.: 2000000510896

Antiviral sensitivity of pre-core mutant **HBV** to nucleoside analogues  
in vitro using a novel recombinant **HBV-baculovirus** system.

AUTHOR: Chen Robert Ym(a); Desmond Paul V; Delaney William E; Torresi  
Joseph; Colledge Danni L; Edwards Rosalind M; Isom Harriet C; Locarnini  
Stephen A

AUTHOR ADDRESS: (a)Victorian Infectious Diseases Research Lab, Melbourne,  
VIC\*\*Australia

JOURNAL: Hepatology 32 (4 Pt. 2):p456A October, 2000

MEDIUM: print

CONFERENCE/MEETING: 51st Annual Meeting and Postgraduate Courses of the  
American Association for the Study of Liver Diseases Dallas, Texas, USA  
October 27-31, 2000

SPONSOR: American Association for the Study of Liver Diseases

ISSN: 0270-9139

RECORD TYPE: Citation

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Display 4/3/6 (Item 6 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)

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LANGUAGE: English  
SUMMARY LANGUAGE: English

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Display 4/3/7 (Item 7 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

12757271 BIOSIS NO.: 200000510894

In vitro cross-resistance/sensitivity testing of Lamivudine, Penciclovir,  
and Adefovir using recombinant **baculoviruses** encoding  
Lamivudine-resistant **HBV**.

AUTHOR: William Delaney E(a); Colledge Danni L; Edwards Rosalind M; Torresi  
Joseph; Shaw Tim; Miller Tom G; Bock Thomas C; Manns Michael P; Trautwein  
Christian; Isom Harriet C; Locarnini Stephen A

AUTHOR ADDRESS: (a)VIDRL, North Melbourne, VIC\*\*Australia

JOURNAL: Hepatology 32 (4 Pt. 2):p456A October, 2000

MEDIUM: print

CONFERENCE/MEETING: 51st Annual Meeting and Postgraduate Courses of the  
American Association for the Study of Liver Diseases Dallas, Texas, USA  
October 27-31, 2000

SPONSOR: American Association for the Study of Liver Diseases

ISSN: 0270-9139

RECORD TYPE: Citation

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Display 4/3/7 (Item 7 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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LANGUAGE: English  
SUMMARY LANGUAGE: English

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Display 4/3/8 (Item 8 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

12208195 BIOSIS NO.: 199900503044

Use of a novel **HBV** recombinant **baculovirus-HepG2** system  
to measure the ability of antiviral agents to block the formation of  
covalently closed circular (CCC) HBV DNA and to reduce or eliminate  
existing pools of CCC HBV DNA.

AUTHOR: Abdelhamed Ayman(a); Delaney William E(a); Miller Thomas G(a); Isom  
Harriet C(a)

AUTHOR ADDRESS: (a)Penn State Coll of Medicine, Hershey, PA\*\*USA

JOURNAL: Hepatology 30 (4 PART 2):p420A Oct., 1999

CONFERENCE/MEETING: 50th Annual Meeting and Postgraduate Courses of the  
American Association for the Study of Liver Diseases Dallas, Texas, USA  
November 5-9, 1999

SPONSOR: American Association for the Study of Liver Diseases

ISSN: 0270-9139

RECORD TYPE: Citation

LANGUAGE: English

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Display 4/3/9 (Item 9 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

12109427 BIOSIS NO.: 199900404276

Use of the **hepatitis B virus** recombinant

**baculovirus-HepG2** system to study the effects of

(-)-beta-2',3'-dideoxy-3'-thiacytidine on replication of hepatitis B virus and accumulation of covalently closed circular DNA.

AUTHOR: Delaney William E IV; Miller Thomas G; Isom Harriet C(a)

AUTHOR ADDRESS: (a)Department of Microbiology and Immunology, Milton S. Hershey Medical Center, Penn State University\*\*USA

JOURNAL: Antimicrobial Agents and Chemotherapy 43 (8):p2017-2026 Aug., 1999

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

- end of record -

?

Display 4/3/10 (Item 10 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

11699949 BIOSIS NO.: 199800481680

Hepatitis B virus replication in human **HepG2** cells mediated by

**hepatitis B virus** recombinant **baculovirus**.

AUTHOR: Delaney William E IV; Isom Harriet C(a)

AUTHOR ADDRESS: (a)Dep. Microbiology Immunology, Milton S. Hershey Med. Cent., Pa. State Univ., 500 University Driv\*\*USA

JOURNAL: Hepatology 28 (4):p1134-1146 Oct., 1998

ISSN: 0270-9139

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 4/3/11 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

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10563046 96374932 PMID: 8781314

Isolation of highly purified, functional carboxy-terminally truncated hepatitis B virus middle surface protein activators from eucaryotic expression systems.

Hildt E; Urban S; Eckerskorn C; Hofschneider P H

Department of Virus Research, Max-Planck-Institut fur Biochemie, Martinsried, Germany.

Hepatology (Baltimore, Md.) (UNITED STATES) Sep 1996, 24 (3) p502-7,

ISSN 0270-9139 Journal Code: 8302946

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

- end of record -

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Display 4/3/12 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

138183882 CA: 138(13)183882z DISSERTATION

Analysis of antihepadnaviral activity of nucleoside analogs using

hepatitis B virus recombinant baculovirus-HepG2 system

AUTHOR(S): Abdelhamed, Ayman Mohamed Osman

LOCATION: Pennsylvania State Univ., University Park, PA, USA

DATE: 2002 PAGES: 314 pp. CODEN: DABBBA LANGUAGE: English CITATION:  
Diss. Abstr. Int., B 2002, 63(5), 2184 AVAIL: UMI, Order No. DA3051612

- end of record -

?

Display 4/3/13 (Item 2 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

131056382 CA: 131(5)56382s DISSERTATION

Generation, characterization, and use of the HBV baculovirus-hepG2  
system: a novel in vitro model system for studying hepatitis B virus

AUTHOR(S): Delaney, William Ellis, IV

LOCATION: Pennsylvania State Univ., University Park, PA, USA

DATE: 1998 PAGES: 245 pp. CODEN: DABBBA LANGUAGE: English CITATION:  
Diss. Abstr. Int., B 1999, 60(1), 54 AVAIL: UMI, Order No. DA9915826

- end of record -

?

Display 4/3/14 (Item 1 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

(c) 2003 Elsevier Science B.V. All rts. reserv.

00980855 1998227653

Hepatitis B virus replication in human **HepG2** cells mediated by

**hepatitis B virus recombinant baculovirus**

Delaney IV W.E.; Isom H.C.

ADDRESS: Dr. H.C. Isom, Dept. of Microbiology and Immunology, Milton S.

Hershey Medical Center, Pennsylvania State University, 500

University Drive, Hershey, PA 17033, United States

Journal: Hepatology, 28/4 I (1134-1146), 1998, United States

CODEN: HPTLD

ISSN: 0270-9139

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

NO. OF REFERENCES: 54

- end of record -

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Display 4/3/15 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2003 Elsevier Science B.V. All rts. reserv.

11173664 EMBASE No: 2001186714

Cross-resistance testing of antihepadnaviral compounds using novel  
recombinant **baculoviruses** which encode drug-resistant strains of

**hepatitis B virus**

Delaney IV W.E.; Edwards R.; Colledge D.; Shaw T.; Torresi J.; Miller

T.G.; Isom H.C.; Bock C.T.; Manns M.P.; Trautwein C.; Locarnini S.

S. Locarnini, Victorian Infect. Dis. Ref. Lab., 10 Wreckyn St., North

Melbourne, Vic. 3051 Australia

AUTHOR EMAIL: stephenlocarnini@compuserve.com

Antimicrobial Agents and Chemotherapy ( ANTIMICROB. AGENTS CHEMOTHER. ) (

United States) 2001, 45/6 (1705-1713)

CODEN: AMACC ISSN: 0066-4804

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 74

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Display 4/3/16 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2003 Elsevier Science B.V. All rts. reserv.

07821709 EMBASE No: 1999294211  
Use of the **hepatitis B virus** recombinant  
**baculovirus-HepG2** system to study the effects of  
(-)-beta-2',3'-dideoxy-3'-thiacytidine on replication of hepatitis B virus  
and accumulation of covalently closed circular DNA  
Delaney IV W.E.; Miller T.G.; Isom H.C.  
H.C. Isom, Dept. of Microbiology and Immunology, Milton S. Hershey  
Medical Center, Penn State Univ. College of Medicine, 500 University Dr.,  
Hershey, PA 17033 United States  
AUTHOR EMAIL: hisom@psu.edu  
Antimicrobial Agents and Chemotherapy ( ANTIMICROB. AGENTS CHEMOTHER. ) (  
United States) 1999, 43/8 (2017-2026)  
CODEN: AMACC ISSN: 0066-4804  
DOCUMENT TYPE: Journal; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH  
NUMBER OF REFERENCES: 38

- end of record -

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Display 4/3/17 (Item 1 from file: 266)  
DIALOG(R)File 266:FEDRIP  
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00298976  
IDENTIFYING NO.: 5R01AI48773-02 AGENCY CODE: CRISP  
BACULOVIRUS MEDIATED GENE DELIVERY OF HEPATITIS C VIRUS  
PRINCIPAL INVESTIGATOR: ISOM, HARRIET C  
ADDRESS: PENNSYLVANIA STATE UNIVERSITY PO BOX 850 HERSHEY, PA 17033-0850  
PERFORMING ORG.: PENNSYLVANIA STATE UNIV HERSHEY MED CTR, HERSHEY,  
PENNSYLVANIA  
SPONSORING ORG.: NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
FY : 2001

- end of display -

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>>>Page beyond end of display invalid  
? s s2 and variant?

315 S2  
702523 VARIANT?  
S5 10 S2 AND VARIANT?  
? rd s5  
...completed examining records  
S6 4 RD S5 (unique items)  
? d s6/3/1-4

Display 6/3/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2003 BIOSIS. All rts. reserv.

13937189 BIOSIS NO.: 200200566010  
Efficacy of entecavir against lamivudine-resistant hepatitis B virus and  
recombinant polymerases.  
AUTHOR: Levine S(a); Hernandez D(a); Yamanaka G(a); Zhang S(a); Rose R(a);  
Weinheimer S(a); Colonna R J(a)  
AUTHOR ADDRESS: (a)Bristol-Myers Squibb Company, Wallingford, CT\*\*USA  
JOURNAL: Abstracts of the Interscience Conference on Antimicrobial Agents  
and Chemotherapy 41p287 2001  
MEDIUM: print  
CONFERENCE/MEETING: 41st Annual Meeting of the Interscience Conference on

Antimicrobial Agents and Chemotherapy Chicago, Illinois, USA September  
22-25, 2001

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 6/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

13078950 BIOSIS NO.: 200100286099

Cross-resistance testing of antihepadnaviral compounds using novel  
recombinant **baculoviruses** which encode drug-resistant strains of  
**hepatitis B virus**.

AUTHOR: Delaney William E IV; Edwards Ros; Colledge Danni; Shaw Tim;  
Torresi Joseph; Miller Thomas G; Isom Harriet C; Bock C Thomas; Manns  
Michael P; Trautwein Christian; Locarnini Stephen(a)

AUTHOR ADDRESS: (a)Victorian Infectious Diseases Reference Laboratory  
(VIDRL), 10 Wreckyn St., North Melbourne, VIC, 3051:  
stephenlocarnini@compuserve.com\*\*Australia

JOURNAL: Antimicrobial Agents and Chemotherapy 45 (6):p1705-1713 June,  
2001

MEDIUM: print

ISSN: 0066-4804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

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DIALOG(R)File 5:Biosis Previews(R)

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LANGUAGE: English

SUMMARY LANGUAGE: English

- end of record -

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Display 6/3/3 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2003 American Chemical Society. All rts. reserv.

135163334 CA: 135(12)163334g PATENT

Assay for detecting variant hepatitis B viruses which exhibit altered  
sensitivity to agents based on baculovirus vector-based replication

INVENTOR(AUTHOR): Delaney, William Iv; Locarnini, Stephen Alister; Chen,  
Robert Yung Ming; Bartholomeusz, Angeline; Isom, Harriet

LOCATION: Australia

ASSIGNEE: Melbourne Health; Penn State Research Foundation

PATENT: PCT International ; WO 200157244 A1 DATE: 20010809

APPLICATION: WO 2001AU98 (20010202) \*US PV179948 (20000203)

PAGES: 110 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12Q-001/48A;  
C12Q-001/70B DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BY; BZ; CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE;  
GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT;  
LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG;  
SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY;  
KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL

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Display 6/3/3 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU;  
MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD;  
TG

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Display 6/3/4 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2003 Elsevier Science B.V. All rts. reserv.

11173664 EMBASE No: 2001186714

Cross-resistance testing of antihepadnaviral compounds using novel  
recombinant **baculoviruses** which encode drug-resistant strains of  
**hepatitis B virus**

Delaney IV W.E.; Edwards R.; Colledge D.; Shaw T.; Torresi J.; Miller  
T.G.; Isom H.C.; Bock C.T.; Manns M.P.; Trautwein C.; Locarnini S.  
S. Locarnini, Victorian Infect. Dis. Ref. Lab., 10 Wreckyn St., North  
Melbourne, Vic. 3051 Australia  
AUTHOR EMAIL: stephenlocarnini@compuserve.com  
Antimicrobial Agents and Chemotherapy ( ANTIMICROB. AGENTS CHEMOTHER. ) ( United States) 2001, 45/6 (1705-1713)  
CODEN: AMACC ISSN: 0066-4804  
DOCUMENT TYPE: Journal ; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH  
NUMBER OF REFERENCES: 74

- end of display -

? s s2 and polymerase?

315 S2

1435288 POLYMERASE?

S7 98 S2 AND POLYMERASE?

? s s7 and polymerase (5n) (sensitiv? or resist? or alter? or mutat?)

Processing

Processing

Processed 10 of 34 files ...

Processing

Processed 20 of 34 files ...

Processing

Completed processing all files

98 S7

1419629 POLYMERASE

4236000 SENSITIV?

4620551 RESIST?

4637377 ALTER?

2079130 MUTAT?

78504 POLYMERASE(5N) (((SENSITIV? OR RESIST?) OR ALTER?) OR  
MUTAT?)

S8 17 S7 AND POLYMERASE (5N) (SENSITIV? OR RESIST? OR ALTER? OR  
MUTAT?)

? rd s8

...completed examining records

S9 5 RD S8 (unique items)

? d s9/3/1-5

Display 9/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2003 BIOSIS. All rts. reserv.

13937189 BIOSIS NO.: 200200566010

Efficacy of entecavir against lamivudine-resistant hepatitis B virus and  
recombinant **polymerases**.

AUTHOR: Levine S(a); Hernandez D(a); Yamanaka G(a); Zhang S(a); Rose R(a);  
Weinheimer S(a); Colonno R J(a)

AUTHOR ADDRESS: (a)Bristol-Myers Squibb Company, Wallingford, CT\*\*USA  
JOURNAL: Abstracts of the Interscience Conference on Antimicrobial Agents  
and Chemotherapy 41p287 2001  
MEDIUM: print  
CONFERENCE/MEETING: 41st Annual Meeting of the Interscience Conference on  
Antimicrobial Agents and Chemotherapy Chicago, Illinois, USA September  
22-25, 2001  
RECORD TYPE: Abstract  
LANGUAGE: English

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11803607 BIOSIS NO.: 199900049716

**Mutations** in hepatitis B DNA **polymerase** associated with  
**resistance** to lamivudine do not confer resistance to adefovir in  
vitro.

AUTHOR: Xiong Xiaofeng(a); Flores Carmina; Yang Huiling; Toole John J;  
Gibbs Craig S

AUTHOR ADDRESS: (a)Gilead Sci., 333 Lakeside Dr., Foster City, CA 94404\*\*  
USA

JOURNAL: Hepatology 28 (6):p1669-1673 Dec., 1998

ISSN: 0270-9139

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

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USA

JOURNAL: Hepatology 28 (6):p1669-1673 Dec., 1998

ISSN: 0270-9139

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: To determine whether adefovir is active against  
lamivudine-resistant hepatitis B virus (HBV), the inhibition constants of

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adefovir diphosphate and lamivudine triphosphate for wild-type and mutant  
human HBV DNA **polymerases**, which contain amino acid substitutions  
associated with lamivudine resistance, were compared. Recombinant  
wild-type and mutant human **HBV DNA polymerases** were expressed  
and substantially purified using a **baculovirus** expression system

and immunoaffinity chromatography. **HBV DNA polymerase** mutants M552I, M552V, and L528M/M552V showed resistance to lamivudine triphosphate with inhibition constants (K<sub>i</sub>) increased by 8.0-fold, 19.6-fold, and 25.2-fold compared with that of wild-type HBV DNA **polymerase**. However, these mutants remained **sensitive** to adefovir diphosphate with the inhibition constants increasing by 1.3-fold and 2.2-fold or decreasing by 0.79-fold. The L528M single mutation, identified in patients with increasing HBV DNA levels during therapy with famciclovir, also remained sensitive to adefovir diphosphate with the inhibition constant increased by only 2.3-fold.

REGISTRY NUMBERS: 9012-90-2: DNA **POLYMERASE**; 134678-17-4: LAMIVUDINE;

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DIALOG(R)File 5:Biosis Previews(R)  
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106941-25-7: ADEFOVIR

DESCRIPTORS:

MAJOR CONCEPTS: Infection; Pharmacology  
BIOSYSTEMATIC NAMES: Hepadnaviridae--Animal Viruses, Viruses,  
Microorganisms; Hominidae--Primates, Mammalia, Vertebrata, Chordata,  
Animalia  
ORGANISMS: hepatitis B virus (Hepadnaviridae)--pathogen; human  
(Hominidae)--patient  
BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Animal Viruses; Animals;  
Chordates; Humans; Mammals; Microorganisms; Primates; Vertebrates;  
Viruses  
CHEMICALS & BIOCHEMICALS: adefovir--antiviral-drug, in vitro;  
hepatitis B DNA **polymerase**--mutation; lamivudine--antiviral-drug  
, resistance, in vitro  
MISCELLANEOUS TERMS: amino acid substitutions  
CONCEPT CODES:  
36001 Medical and Clinical Microbiology-General; Methods and Techniques

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10060 Biochemical Studies-General  
14001 Digestive System-General; Methods  
22002 Pharmacology-General  
38502 Chemotherapy-General; Methods; Metabolism  
BIOSYSTEMATIC CODES:  
02611 Hepadnaviridae (1993- )  
86215 Hominidae

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10850320 BIOSIS NO.: 199799471465

Transcomplementation of nucleotide priming and reverse transcription  
between independently expressed TP and RT domains of the hepatitis B  
virus reverse transcriptase.

AUTHOR: Lanford Robert E(a); Notvall Lena; Lee Helen; Beames Burton  
AUTHOR ADDRESS: (a)Dep. Virol. Immunol., Southwest Found. Biomed. Res.,  
7620 N.W. Loop 410, San Antonio, TX 78228\*\*USA  
JOURNAL: Journal of Virology 71 (4):p2996-3004 1997

ISSN: 0022-538X  
RECORD TYPE: Abstract  
LANGUAGE: English

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DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
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01761278 Genuine Article#: HY566 No. References: 37  
Title: HEPATITIS-B VIRUS **POLYMERASE** GENE - EXPRESSION OF THE LONG  
OPEN READING FRAME USING THE BACULOVIRUS EXPRESSION SYSTEM  
Author(s): MCGLYNN E; REUTENER S; MATTER A; WILDNER G; WILL H; LYDON NB  
Corporate Source: CIBA GEIGY AG, DIV PHARMACEUT, RES DEPT, K-125-4-12/CH-4002  
BASEL//SWITZERLAND//; MAX PLANCK INST BIOCHEM/W-8033  
MARTINSRIED//GERMANY/  
Journal: JOURNAL OF GENERAL VIROLOGY, 1992, V73, JUN (JUN), P1515-1519  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

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DIALOG(R)File 144:Pascal  
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13860965 PASCAL No.: 99-0038644  
**Mutations** in hepatitis B DNA **polymerase** associated with  
**resistance** to lamivudine do not confer resistance to adefovir in  
vitro  
XIAOFENG XIONG; FLORES C; HUILING YANG; TOOLE J J; GIBBS C S  
Gilead Sciences, Foster City, CA, United States  
Journal: Hepatology : (Baltimore, MD), 1998, 28 (6) 1669-1673  
Language: English

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? e au=delaney, william e

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E2	5	AU=DELANEY, WILLIAM C.
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E6	3	AU=DELANEY, WILLIAM E., III
E7	6	AU=DELANEY, WILLIAM E., IV
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E12	1	AU=DELANEY, WILLIAM H.

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E7	1	AU=ISOM, J. L.
E8	1	AU=ISOM, JESSIE T.
E9	1	AU=ISOM, JOHN E.
E10	1	AU=ISOM, JOSHUA D.
E11	3	AU=ISOM, K. B.
E12	3	AU=ISOM, K. BRUCE

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